



NITE-TIMES NEWS

CHICAGO AREA TIMEX USERS GROUP

Chicago Area Timex Users Group
Volume 4, Number 3

Downers Grove, Illinois
May/June 1990

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C.A.T.U.G. CLUB OFFICERS

Here is the list of 1990 club officers and how to contact them. The club has two strong SIGS, SPECTRUM/TS2068 and QL. If you have questions about either of these fine machines or even the ZX81/TS1000/TS1500 call one of the officers. C=312, S=708.

POSITION	NAME	PHONE	PRIMARY FUNCTION
President	Butch Weinberg	C373-2470	The buck stops here...
Vice-President	Bob Swoger	S576-8068	Newsletter, BBS, etc.
Secretary	John Donaldson	S232-6147	Records and Reporting
Treasurer	Al Feng	S971-0495	Dues and Purchasing

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NITE-TIMES NEWS

NITE-TIMES Information

The Nite-Times News is the newsletter of the Chicago Area Timex Users Group. For an annual fee of \$10.00 you can become a CATUG member with full membership privileges. Send your dues to :

**CATUG Treasure Al Feng
15 Wake Robin Ct.
Woodridge, IL 60517**

The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting users groups at no charge.

**PLEASE SEND ALL
NEWSLETTERS
TO THE ADDRESS
GIVEN BELOW:**

It is:

**CATUG - C/O Bob Swoger
613 Parkside Circle
Streamwood, IL 60107**

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

Articles originating from our group can be had on tape or LarKen Disk for use in Magazines by contacting the editor. As this newsletter can be downloaded from our BBS you may reprint it using this means.

NITE-TIMES CONTRIBUTIONS

If you would like to contribute an ARTICLE to the newsletter upload a file into your CATUG PDP 11/60 account called

NITETIMES.ART If you have an AD for the newsletter put a file in your account called COMPUTER.ADS If you have NEWS to POST about your group, place a file in your account called POST.NWS

These files are gathered by the BBS computer and downloaded to the editor. If you don't have a CATUG account either get one or contact the editor by mail, in person, or by phone:

**NITE-TIMES NEWS EDITOR
Bob Swoger
613 Parkside Circle
Streamwood, IL 60107**

It is preferred that you call:
H708/837-7957 or W708/576-8068

CONTRIBUTORS TO THIS ISSUE

Al Feng
John Donaldson
Bob Swoger, K9WVY

CLUB MEETINGS

The Chicago Area Timex Users Group meets on the second Saturday of each month at the home of our meeting coordinator Steve Cooper in Downers Grove, Illinois from 1:00 to 5:00 PM. Steve's home is lovingly called the CLUB HOUSE and is located at 1300 Maple Street in Downers Grove just 2 blocks southwest of the Downers Grove Public Library. Steve can be contacted evenings at 708/968-3553.

When visiting be careful of the Dutch Dooooooooooooorrrrrrrr.....

DATH INTERRUPT

Our TS2068 library was increased with the purchase of many Spectrum tapes. Most were games some of which had great displays and interesting music. It will take maybe a year for Bob to get them all to LarKen disks.

Art Studio, LINNET - an A.C. Network Analysis program, and DATAKIT seem at this moment to

be among the most interesting.

Bob is committed to putting these programs on disk with all the pieces that were used on the tape, not just an NMI save of the running program. He has even written a new driver for KNIGHT LORE which includes the entire instruction manual!

FROM THE EDITOR'S DESK

The SINCLAIR 1990 Family Reunion is now behind us and for both venders and users it was profitable. I myself bought many new programs, most for the SPECTRUM which I can emulate with my LarKen DSK-400 system. I also met many folks in person that I had only talked to on the phone, it was nice to see their smiling faces, Basil Wentworth, Don Lambert, Jay Siegle, Peter Hale, Paul Holmgren, Mel Nathanson, Ruth Fegley, Neal Schultz, Bill Heberlein, Dick Cultice, Bob and Audrey Curnutt... I was even startled for a moment when I thought I had spotted Clive Sinclair himself at one of the tables but it turned out to be Frank Davis of ISTUG fame! He was at table 'N', try to find that on the map! (Below 'M')

There were more vendors there than the vendor list shows, I know because beside me, GATOR SOFTWARE, was PLATYPUS SOFTWARE's Al Feng at CATUG's table 'K'.

The comments that came back from the fest? Those that had gone to other Sinclair Fests were a little disappointed in size of the show but those that had never been to a Sinclair Fest were very pleased with the Milwaukee Exposition. Some were looking for super bargains which never materialized, still others felt there was plenty there and at least 30% were bargains. Some of the more experienced venders were willing to bargain. The ZEBRA table was manned by SMUG members and they apparently couldn't bargain in Stewart Newfeld's absence. ZEBRAs

prices were for the most part lower than usual anyway, we either already had what ZEBRA had to offer or were unable to figure out just what some of the stuff was. Stewart is to be commended for what he has done for the Sinclair community. Since I have nearly one of everything he ever had for the TS2068, I am glad he was out there when he was and wish him the best in his endeavor to support the CoCo users.

There were plenty of seminars but one would run into the next. This is almost always the case where ever I go. I was able to attend the Desk Top Publishing seminar but, being a vender, missed others I would otherwise have liked to attend.

LogiCall sold there for \$5 a copy and it paid for the trip. Frank Davis had mentioned that LarKen's LK-DOS seemed a bit clumsy to him compared to Olinger's Safe-DOS but after seeing LogiCall running on LK-DOS he may have changed his mind.

Incidentally, Peter, I am using that swivel arm high intensity fluorescent light I bought from you in my computer shack and it lights up the place great! It does not reset the TS2068 like you were worried it might. Thanks again for pointing it out to me and thanks for coming out to the fest with all that great Spectrum and TS2068 software.

Anyone who was still there near closing Sunday found it difficult not to take home a door prize. I believe everyone in our group took home at least one!

Thanks again SMUG for putting on a great FEST for all us Sinclair survivalists. I hear that the next fest will be in INDY but I have yet to see that in writing.

Bob Swoger, Editor
Chicago Area Timex Users Group

TREASURY NOTES

Our balance stands at \$341.00. Our current paid membership stands at 22.

Al Feng, Treasurer
Chicago Area Timex Users Group

SECRETARY'S NOTEPAD

April 15, 1990

Meeting was called to order at 2:12 PM. Members present: Brezina, Cooper, Donaldson, Feng, Majewski, Mills, Pashtoon, Sauter and Swoger.

A motion was made to impeach our president because since taking delivery of a PC clone, he has been absent from two meetings. Our group consists of men with a great capacity for mercy, however, so the motion was tabled.

LogiCall 4.0 is the name of Swoger's software for the TS2068 computer. It is an auxiliary operating system for the Larken disk drive system published in NTN V3.6 with additional inputs by Larry Kenny and Don Lambert. Like the JLO, you can scan names on the screen by hitting any key and hit ENTER when you reach the desired program. The program name will be highlighted. All four cursor keys will give quicker access. When the OS asks for the drive to go to and you want the drive you're presently on, just hit ENTER and proceed.

On the disk he supplies, modified versions of Tasword, Vu-Calc and Vu-File drivers are included. It works like this, from the *LogiCall* screen you can hit W, for example, and Tasword will come up on your screen (providing Tasword is on the same disk, of course). Hit l or j to LOAD in a program. The CAT will appear at the top of the screen to show you your choices. Also, you don't need a RESET switch to go to another

program: just exit the program and you'll be back in *LogiCall*.

If you load a file into your word processor, you had to give it a name to load it. When you were done, the program would ask what file name to file under. If you want the same name, just hit ENTER and it will overwrite the previous file on the disk. (Little things that mean a lot!)

LogiCall will be available at SMUGfest and advance copies are being sent to Ed Grey and Larry Kenny. Hopefully, they will distribute it from then on. Whether or not, questions may be directed to Bob Swoger via our BBS.

Dave Lebowitz, the man between the secretary and the editor, the man who transmits PC-emulated text via a modem to the editor's computer, has a problem. His old modem (which was made by U.S. Robotics) is nonfunctional. Since U.S.R. wants almost as much as its original cost to fix it, he got a new one. But he'd like to have the old one as a backup. Does anyone know someone who works on these at reasonable prices? If so, call Dave at (708) 798-4365. He'd love to hear from you!

Bob Swoger reported on the proposed SNUG newsletter. It has always been Bob's contention that SNUG's newsletter should be comprised of gleanings from all individual users groups. In a letter, SNUG cautioned that if this is done, users groups could conceivably lose out-of-town subscribers as supporting members. Speaking for all of us, Bob was willing to let this happen as long as it benefits those who cannot attend meetings.

SNUG, it should be noted, has a BBS located in Palatine, IL, with our own Bob Swoger as the SYSOP! Our Milwaukee friends came to see our BBS operation and liked what they saw.

Plans for CATUG's table at the SMUGfest include *LogiCall* on LarKen disks at about the price of the disks and free copies of the May/June Nite-Times News. We will bring TS2068 and QL equipment for display purposes.

The business meeting was closed at 2:50 PM.

A demo followed in which Nazir Pashtoon exhibited a driver/editor program downloads information into a programmable array logic device. We saw both software and hardware applications. Impressive!

May 12, 1990

Meeting was called to order at 1:37 PM. Those present: Messrs. Brezina, Cooper, Donaldson, Feng, Lessenberry, Mills, Pashtoon, Sauter, Swoger, and Ulreich.

The SNUG BBS is up and running for about 1-1/2 months. There have been 35 check-ins but so far, the SNUG newsletter hasn't been uploaded. Anyway, CATUG picked up a new member from Sauk Village, IL because the BBS is there!

A copy of *LogiCall* 4.0 was sent by our SYSOP to Don Lambert of Cragist and to Bob Curnutt. Curnutt sent a check for \$5 for the effort. Good start, Bob!

Larry Sauter lost the use of his TS2068 when he reached behind his new LarKen system to try to flip the write protect switch with the power on. One of the cables got in his way and he managed to dislodge the LarKen unit and fried the computer!! As a Sinclair Survivalist, he has another TS2068 so he was down to one until he bought another - plus some extra goodies - from Nancy Pohanka's father. (Nancy's a friend in need, indeed!)

EQUAL TIME FOR JLO DEPARTMENT:

It was observed that Steve Cooper's JLO interface has been repaired. A key had fallen out of a connector but is now fixed in place.

Mississippi's John Shepard's TS2068 burned up due to working on the machine with the power on. His is an AERCO-LKDOS system running *LogiCall* V4.2A3. Can anyone help with more than sympathy?

Swoger supplied information to Gary Foster, a Rockford man, about using the LarKen system as a bank switching device. Gary sharpens knives, scissors, etc., in a van and does his paperwork while still in the vehicle using a tape-driven TS2068!

DISCUSSION:

In the March/April issue of Nite-Times News, our editor made a statement: "I have seen what QL did to our club in the 80's and it wasn't good." Some of the QL'ers in the group took umbrage with this. In the best way he knew, Bob answered that having two machines which use different programming causes divisions of interest and this causes him great discomfort.

The QL'ers felt that they had lived with the TS2068 for years and were ready to move to the next (truly Sinclair) plateau while Bob remained frozen in time. To bolster his argument, Bob displayed a headline that read, "SINCUS News Will Cease Publishing." They went to MS/DOS. Bob also went to the Elgin Color Computer Club last month and that club died that night. The club went to MS/DOS and has closed its doors. If you bring MS/DOS into the club, he believes, the club will die.

Gary Lessenberry, on the other hand, feels that a club is more than the computer it supports; that it's the camaraderie that comes from learning together the programming and applications for a computer which keeps people as members. He feels that the fact that people go to other machines will not destroy the group. The machine won't be the soul of the group any more but what's actually important is the relationships that develop. Once we sit and try to board up

the walls and completely isolate ourselves from the rest of the world, he said, the time will have come wher. we will lose people in droves.

Nazir Pashtoon, in support of Timex/Sinclair machines, says he will stay with them because he is a hardware "jock" with limited expenses and that the TS2068's Z80 CPU and the QL's 68000-based CPU make them excellent backbones for his many computer projects. He has other computers available but they do not suffice, no matter what the price! He believes that the purpose of any computer club should be that it is evolutionary - without time freezes.

Regarding Bob's fears of an MS/DOS invasion of our group, and the fact that Bob tries to include equal amounts of TS2068 and QL articles in each newsletter, everyone was in favor of keeping MS/DOS articles out of the Nite-Times News and of not inviting them in the first place.

Of such discussions are clubs made. Bob, we love ya, anyway!

John Donaldson, Secretary
Chicago Area Timex Users Group

GATOR'S TWISTED PAIR

!!!!!! TAKE NOTE !!!!!!!
We are on a new computer.

!!! R E M E M B E R !!!
We now have a 24 hour BBS and encourage you to exchange mail and contribute to the Download Section. Use it and have fun!

* C A T U G B B S *
* 708/576-7140 *
* Type at the > prompt: *
* MOTOROLA then GUEST *
* BYE to log out *

Bob Swoger, SYSOP
Chicago Area Timex Users Group

NEWS ITEMS

HYBRIDIZATION AT ITS BEST DEPT:
The Commodore 1351 Mouse can be used with the LarKen system. Plug the mouse into the Kempstone joystick, hold down the right button and power up the system. The mouse goes into a joystick mode and is eminently suitable for "mousing around" with Art Studio and the like!

MEETING NOTICE:

Since many of our club members will attend the SMUGfest the week before our June meeting was scheduled, the June meeting will not take place.

RAINBOWFEST A SUCCESS!:

Bob Swoger reports that the Rainbow Fest at the Hyatt-Regency in Schaumburg, Illinois, sponsored by the Glenside Computer Club (a non-T/S group) is now history. While 8 former vendors dropped out, 3 new ones surfaced. Stewart Neufeld of Zebra was there. Zebra has moved to Pennsylvania but still has a lot of Timex peripherals and tinkerer's items. Some may go to the SMUG Fest with Bob. Stewart wants to hear about interest in Talkers, I/Os, A/D converters (the last 2 are used in control systems). Neal Schultz and John Heberlein of SMUG Fest fame were there and visited with Bob who showed them his program, *LogiCall*, on a 2068. They went away with the program and CATUG disk 1 to preview. Although attended by 50 less people (not a significant drop), they were elbow to elbow Friday and Sunday.

Two machines, now in breadboard form, will be the next generation of the Color Computer. One will be 68000 based and won't run on CoCo software. The other is thought to have a 68000 chip along with a 6809 and won't run CoCo software, either. One of these - we're not sure which - has another system concept. You keep your old CoCo 1, 2 or 3 and plug into it. Now you have an expansion. The keyboard on

the new machine can operate the old CoCo and run its drives while using the new faster-running software. In a demonstration, a monitor and mini-board were connected to each and two separate music programs were heard with two corresponding displays. It is claimed that up to 16 programs can run simultaneously. The CoCo 3 came out about 1987 or 1988 and has essentially the same features we had in the TS2068 of 1982.

ITEMS FOR SALE THROUGH THE CLUB

LogiCall AOS-LKDOS Software Ensemble for TS2068 and Spectrum includes LogiCall 4.2 TASWORD II V2.2 VU-CALC VU-FILE MTERM2.B1 Drivers modified for LogiCall, DISKS.B1 TAPES.B1 steprt.B1 HEADER.BT (tape header reader by Nazir Pashtoon) FORMAT.Bx MOVE.BL and more all on 2 SSDD disks for \$5. You must specify your LK-DOS EPROM version. If you already have a copy you are encouraged to distribute copies to other LarKen LK-DOS users for as you see by the price we are not in the business of making money on it, just making LK-DOS the BEST!

Like to fly? The 747 Flight Simulator for Spectrum by Derek Ashton of DACC sold over 40K copies in EUROPE. Requires Spectrum Emulator. Supplied on LarKen SSDD or DSQD disk only at this time for \$10 which goes to Derek Ashton now working at MOTOROLA, INC., Schaumburg, IL.

Call in requests to Bob Swoger at W708-576-8068 H708-837-7957

SPECIAL DEALS AND BUYS

It has come to our attention that some LarKen Users are using something less than Version 3 firmware. The club will supply updated EPROMS, SYSTEM DISKS, and MANUALS for just \$5 which includes shipping and handling.

If you are a LarKen LK-DOS owner and would like a SPECTRUM V2 kit for your system we will supply an EPROM, socket and 74HCT32 for \$12 which includes shipping and handling. The install instructions are in your LarKen manual. We shall not be responsible for your install job. AERCO owners need only the SPECTRUM EPROM.

Call in requests to Bob Swoger at W708-576-8068 H708-837-7957

CLASSIFIED ADS

To put an AD in the Computer related section of the BBS, put a file in your account with the filename.filetype: COMPUTER.ADS ! ! ! Our ADS are **free** ! ! !

AD BY: AL MAHANNA ON 900222
%%%%%%%%%%%%%
40 MB HARD DRIVE
FOR COMPAQ 386 ZOE COMPUTER
29 uS AVERAGE SEEK TIME
\$350 OR BEST.
CALL AL MAHANNA H708/259-8349
H708/392-2982 or W708/576-4515

AD BY: Terry Starai ON 900320
%%%%%%%%%%%%%
Radio Shack TRS-80 (CC2)
TDP System 100 PC
MPI Printer
Radio Shack Cassette Recorder
Tandy DCM-3 Modem
Set of Deluxe Joysticks
Set standard Joysticks
TDP System 100 Mini Disk Drive
Radio Shack CC Mini Disk Drive
Miscellaneous
cables and Manuals

All the above items work fine and are in good shape.
Package Price = \$250
Terry Starai W708/576-4404

AD BY:MIKE CARRINGTON ON 900810
%%%%%%%%%%%%%
===== Turbo C 2.0 =====
Original books and disks for Turbo C 2.0 from Borland International. Fast compilation and easy to use. Includes graphics library. \$55. Mike 708/576-2006

ARTICLES

ADDRESS BOOK

By
Bob Swoger

At the Milwaukee Fest *LogiCall* was sold for \$5 a copy. What the happy purchasers took home, however, was two disks full of software for his \$5. [To see what programs were on the disks look at ITEMS FOR SALE THROUGH THE CLUB ed.] All the programs had drivers modified to bring *LogiCall* back into the machine after that program is finished.

One of the programs on those disks was Address Book (ADRS.BK) which has some interesting features:

- 1.) Keeps track of addresses and phone numbers.
- 2.) Finds those names by either the last name or zip code
- 3.) Keeps track of names for a mailing list.
- 4.) Prints out the list to a printer.
- 5.) Prints out mailing labels, (I use this for Christmas cards and NEWSLETTER labels) for only those names with an 'X' in front of the phone number.

After entering this program into your machine for the first time, use option 1, Mailing List, to see what data is in lines 1 to 999. You will note that there is a very long delay at the bottom of the list before you get your next prompt. This is because the program makes a key file that is used to find data for option 3 in reasonable time. After you have done option 1 and you return to the main menu, select 4) Save and Exit, and this key file will be saved with any data changes for greater speed of your next entry into the program.

The menu looks like this:

A D D R E S S B O O K

- 0) Exit
- 1) Mailing List
- 2) Off Mailing List
- 3) Find name or ZIP
- 4) Save and Exit
- 5) Print Address Book
- 6) STOP

Enter selection: (0 - 6)

You may run a list of those who will not get mailing labels by selecting 2.) At 3.) you can find an address by either the first three letters of the last name or by ZIP CODE. 5.) will give a hard copy print.

[Continued on page 9.]

PAPER FROM THE FEST

by
Bob Swoger

The Milwaukee Sinclair Fest which was called the 1990 SINCLAIR EXPOSITION FAMILY REUNION by SMUG, in the opinion of this club was another outstanding success by the Milwaukee chapter of the Sinclair community.

To help you who were not present to get some idea of what went on we submit some of the paper collected there as we passed from table to table. This is by no means all the paper that was there, just the little I was able to pick up being busy at table K handing out CATUGS newsletter NITE-TIMES NEWS, selling GATOR Softwares *LogiCall*, DACCs 747 Flight Simulator along side Al Feng of PLATYPUS Software fame.

[Continued on page 16.]

ADRS.BK

1 GO TO 7E3: DATA "MIKE POTTER", "2109 LINCOLNSHIRE
WEST", "DECALB, IL 60115", "X8157584503"
2 DATA "PAUL BEATTY", "7634 N. GREENVIEW", "CHICAGO, IL
60626", "X3127648378"
3 DATA "ED DE BOER", "21911 MERRILL AVE.", "SAUK VILLAGE, IL
60411", "X7087583428"
4 DATA "STEVE COOPER", "1300 MAPLE", "DOWNERS GROVE, IL
60515", "X7089683553"
5 DATA "ROBERT CURNUTT", "10400 TRUXTON ROAD", "ADELPHI, MD
20783", "X3014390756"
6 DATA "JOHN DONALDSON", "835 FOXWOOD CIRCLE", "GENEVA, IL
60134", "X7082326147"
7 DATA "MARK DORINSON", "P.O.BOX 351", "FRANKFORT, IL
60423", "X8154693403"
8 DATA "ALPHONSO & MARY FENG", "15 WAKE ROBIN CT", "WOODRIDGE,
IL 60517", "X7089710495"
9 DATA "GARY LESSENBERRY", "1885-A YORKTOWN AVENUE", "GREAT
LAKES, IL 60088", "X7084739415"
10 DATA "LEOPOLD MAJEWSKI", "14120 WINDSOR CT", "WOODSTOCK, IL
60098", "X815NP3388368"
11 DATA "FRANK W. MILLS", "417 S. 47TH AVENUE", "BELLWOOD, IL
60104", "X7085441918"
12 DATA "JON PAGANO", "344 WESTBROOK CIRCLE", "NAPERVILLE, IL
60565", "X7089610857LINDA3126485362"
13 DATA "NAZIR A. PASHTOON", "940 BEAU DR, #204", "DES PLAINES,
IL 60016-5876", "X7084391679"
14 DATA "LAWRENCE SAUTER", "7747 W. BRYN MAWR", "CHICAGO, IL
60631", "X3127635383"
15 DATA "AL SHERMAN", "9216 MARIE", "SCHILLER PARK, IL
60176", "X7086712720"
16 DATA "GREG SIMMONS", "1625 SOUTH LIVINGSTON", "PEORIA, IL
61605", "X"
17 DATA "BOB SWOGER", "613 PARKSIDE CIRCLE", "STREAMWOOD, IL
60107", "X7088377957"
18 DATA "LEE THORESEN", "45 HICKORY LANE", "CRETE, IL
60417", "X7086729066"
19 DATA "JOHN ULREICH", "203 NAUVOO", "PARK FORREST, IL
60466", "X7087486004"
20 DATA "BUTCH WEINBERG", "5028 1/2 S. ELLIS", "CHICAGO, IL
60615", "X3123732470"
22 DATA "GRANT THOMAS", "205 TYLER CREEK COURT", "GILBERTS, IL
60136", "X7084286946"
23 DATA "DAVE LEBOWITZ", "934 GARDNER ROAD", "FLOSSMOOR, IL
60422", "X7087984365"
24 DATA "GARY FOSLER", "6613 N. MAINE ST.", "ROCKFORD, IL
61103", "X8156336938"
25 DATA "IKE WALKER", "100 SW GOLFVIEW TERRACE APT 119", "BOYTON
BEACH, FL 33426-4654", "X3057362827"
26 DATA "RUTH FEGLY", "6000 IVYDENE TERRACE APT
E-1", "BALTIMORE, MD 21209", "X"
27 DATA "JOHN SHEPARD", "RT 2 BOX 408-D MDL
478480410", "COLDWATER, MS 38618", "X6012332640W9013696517"

29 DATA "JIM BREZINA", "1029 SPRING ROAD", "ELMHURST, IL 60126", "X7088321782"
30 DATA "WILLIAM J. KLEIN", "400 E. GARFIELD", "INGLESIDE, IL 60041", "X7085875665"
32 DATA "JOAN KEALY", "P.O. BOX 1118", "BRACKETTVILLE, TX 78832", "X5125632873"
33 DATA "JAMES MC CALL", "523 W. BROMPTON AVE. #114", "CHICAGO, IL 60657", "X3124726036"
34 DATA "GLORIA GEDONIUS", "429 W. MELROSE ST. #1E", "CHICAGO, IL 60657", "XH3128716579W431311x3160TS2068"
35 DATA "MARK ELZINGA", "1102 N. TERRACE DRIVE", "WICHITA, KS 67208", "X"
36 DATA "BOB MOLES", "G.M. SCHOOL STAFF MK16", "GREAT LAKES, IL 60088", "X7086884571"
38 DATA "IVON PRESCOTT", "SSC BLDG 617 3RD REG", "GREAT LAKES, IL 60088", "X7084735685"
39 DATA "BILL BROOKS", "274 ELINTON AVENUE", "ELMHURST, IL 60126", "X8329272"
40 DATA "KEVIN WISWMAN", "5414 LOVELLA", "MC HENRY, IL 60050", "X8154597141"
41 DATA "DOUG GILLESPIE", "5860 CALAMIE DRIVE", "PARMA HEIGHTS, OH 44130", "X2168848835"
42 DATA "CARL WALLSTEADT", "39485 N. HIGHVIEW", "ANTIOCH, IL 60002", "X7083952148W4382117PLNT2"
43 DATA "LARRY ANDERSON", "6203 WESTERN AV.", "DAVENPORT, IOWA 52806", "X3193917902"
44 DATA "WCUC USER AMUSER", "P.O.BOX 3051", "GREENSBURG, PA 15601", "X"
45 DATA "THE YAOUG NEWSLETTER", "650 N. DREXEL", "COLUMBUS, OHIO 43219", "X"
46 DATA "ZX-APPEAL c/o ROD HUMPHREYS", "2006 HIGHVIEW PLACE", "PORT MOODY, B.C. CANADA V3H 1N5", "X6049315509"
47 DATA "THE RAMTOP c/o JAMES G. DUPUY", "6514 BRADLEY AVE (DOWN)", "PARMA, OHIO 44129", "XBBS2166716922"
48 DATA "K.A.T.S. KOMPUTER KNEWS c/o RANDY CUMMINGS", "124 W. 10TH", "ANDOVER, KS 67002", "X3167330242"
49 DATA "K.A.T.S. KOMPUTER KNEWS c/o PAUL D. REYNOLDS 4557 CHERRY", "P.O. BOX 17579", "WICHITA, KS 67217", "X3165292575"
50 DATA "HARRISBURG AREA TS USERS GROUP c/o DAVE BENNETT", "329 REAR WALTON STREET", "LEMOYNE, PA 17043", "X7177747531"
51 DATA "FDD EXPRESS NEWSLETTER c/o RONALD HAVLEN", "4307 CHAMBERS ROAD", "HORSEHEADS, NY 14845", "X"
52 DATA "THE DATA BUS c/o GARY GRANGER", "812 HEDWICK ST.", "NEW CARLISLE, OHIO 45344", "X5132931754"
53 DATA "I.S.T.U.G. NEWSLETTER c/o FRANK DAVIS", "513 EAST MAIN STREET", "PERU, IN 46970", "X3174738031"
54 DATA "CATS NEWSLETTER c/o VERNON SMITH", "P.O. BOX 11017", "TAKOMA PARK, MD 20913", "X3019782357"
55 DATA "CRAGISTS NEWSLETTER c/o DON LAMBERT", "3310 CLOVER DRIVE S.W.", "CEDAR RAPIDS, IOWA 52404", "X3193644330"
56 DATA "TIMEX SINCLAIR BULLETIN c/o WILLIAM HARMER", "97 RUSKIN STREET", "OTTAWA, CANADA K1Y 4B3", "X"
57 DATA "NEW ENGLAND SINCLAIR USERS GROUP c/o JOYCE BLAHO", "971 FELLSWAY", "MEDFORD, MA 02155", "X6173917131"
58 DATA "THE SINC TIMES", "2942 CHRISTOPHER ROAD", "JACKSONVILLE, FL 32217", "X"
59 DATA "THE SINC TIMES c/o STEVE BERG", "6634 ORIOLE AVE.", "JACKSONVILLE, FL 32216", "X"

60 DATA "SNUG c/o BASIL WENTWORTH", "1413 ELLISTON
DRIVE", "BLOOMINGTON, IN 47401", "X8123360837"
61 DATA "SNUG c/o MEL NATHANSON", "7515 ARBORDALE DRIVE", "PORT
RICHEY, FL 34668", "X8138635552"
62 DATA "THE PLOTTER NEWSLETTER c/o DICK WAGNER", "1419 1/2 7TH
STREET", "OREGON CITY, OREGON 97045", "X5036557484"
63 DATA "QZX JOURNAL c/o ALEX BURR, K5XY", "2025 O'DONNELL
DRIVE", "LAS CRUCES, N.M. 88001", "X"
64 DATA "LEMKE SOFTWARE DEVELOPEMENT", "2144 WHITE
OAK", "WICHITA, KS 67207", "X"
65 DATA "LIST", "5 PERI LANE", "VALLEY STREAM, NY 11581", "X"
66 DATA "PACC TALK", "P.O.BOX 6440", "PITTSBURGH, PA 15212", "X"
67 DATA "S.N.U.G. c/o PAUL HOLGREN", "5231 WILTON WOOD
COURT", "INDIANAPOLIS, IN 46254", "X3172916002"
68 DATA "UPDATE! c/o BILL JONES", "1317 STRATFORD AVE.", "PANAMA
CITY, FL 32404", "X9048713556"
69 DATA "S.L.U.G.", "4122 WALLINGFORD LANE", "LOUISVILLE, KY
40218-2365", "X"
70 DATA "LARKEN ELECTRONICS c/o LARRY KENNY", "R.R. 2 NAVAN,
ONTARIO", "CANADA K4B 1H9", "X6138352680H6137499558W"
71 DATA "CAPITAL DISTRICT T/S CC c/o JACK BARONE", "141 ONTARIO
STREET", "ALBANY, NY 12206", "X5184657939"
72 DATA "SINCLAIR MILWAUKEE USERS GROUP", "P.O.BOX
101", "BUTLER, WI 53007", "X"
73 DATA "SINC-LINK TORONTO T/S USERS CLUB c/o EDITOR GEORGE
CHAMBERS", "14 RICHOME COURT", "SCARBOROUGH, ONT CANADA M1K
2Y1", "X4167517559"
74 DATA "JERRY EBSEN", "3700 TWIN CITY DRIVE", "CO. BLUFFS, IA
51501", "X"
75 DATA "SOUTH BAY COMPUTER CLUB", "2316 WALNUT
AVENUE", "MANHATTEN BEACH, CA 90266", "X"
76 DATA "S.E.A.T.U.G. c/o Robert Cazares", "118 NW 84TH
STREET", "SEATTLE, WA 98117-3044", "X2067893275"
77 DATA "ED GREY", "P.O. BOX #2186", "INGLEWOOD, CA
90305", "X2137597406"
79 DATA "SINCUS c/o PAUL A. HILL", "1229 RHODES ROAD", "JOHNSON
CITY, NY 13790", "X6077987219"
80 DATA "T/SUG OF FORT WORTH", "4424 GEDDES AVENUE", "FORT
WORTH, TX 76107", "X"
81 DATA "TIMEX SINCLAIR USERS GROUP", "2345 MOORPARK
WAY", "HENDERSON, NV 89015", "XTheHACKER"
82 DATA "TIMELINEZ/SINCLINK c/o GEORGE MOCKRIDGE", "P.O.BOX
1312", "PACIFICA, CA 94044", "X4082709730"
83 DATA "TIMELINEZ/SINCLINK c/o BILL MILLER", "6675 CLIFFORD
DRIVE", "CUPERTINO, CA 95014-4530", "X"
84 DATA "VISTA NEWSLETTER c/o TONY WILLING", "P.O.BOX
199", "VASHON, WASHINGTON 98070", "X"
999 GO TO 7000
1000 REM PRINT LIST WITH 'X' IN PHONE NUMBER
1010 REM CLEAR 64715
1020 LET N=1
1030 DIM D\$(12)
1040 RESTORE : CLS
1050 POKE 65523,135
1051 ON ERR GO TO 1410
1060 INPUT "Screen or Printer? "; LINE Z\$
1062 IF Z\$<>"P" AND Z\$<>"p" THEN GO TO 1070
1065 INPUT "2040 or RX-80 printer? "; LINE Y\$
1066 IF Y\$="R" OR Y\$="r" THEN GO SUB 8000

```

1070 READ A$,B$,C$,D$
1071 LET N=N+1
1072 LET R=0
1073 LET E$=""
1074 FOR I=LEN A$-3 TO 3 STEP -1
1075 IF A$(I TO I+2)="c/o" THEN GO TO 1300
1076 NEXT I
1077 IF X$="5" THEN GO TO 1090
1080 IF D$( TO 1)<>"X" THEN GO TO 1070
1087 IF INKEY$<>"" THEN GO TO 1087
1090 PRINT A$
1095 IF R=1 THEN PRINT E$
1100 PRINT B$
1110 PRINT C$
1120 PRINT N;"      ";D$
1121 PRINT
1130 POKE 23692,255
1140 IF Z$<>"P" AND Z$<>"p" THEN GO TO 1070
1150 LPRINT A$
1155 IF R=1 THEN LPRINT E$
1160 LPRINT B$
1170 LPRINT C$
1180 IF X$="5" THEN LPRINT N;"      ";D$
1181 IF X$="1" THEN LPRINT
1188 IF R=1 THEN GO TO 1200
1190 LPRINT
1200 LPRINT
1210 GO TO 1070
1220 STOP
1310 LET E$=A$(I TO LEN A$)
1320 LET A$=A$(1 TO I-1)
1330 LET R=1
1340 GO TO 1080
1410 ON ERR RESET
1420 GO SUB 4000
1430 PRINT #0;" Press any KEY to CONTINUE ": PAUSE 0
1440 GO TO 7000
1501 REM PRINT OFF MAILING LIST SECTION
1510 CLS : REM CLEAR 64715
1520 LET N=1
1530 DIM D$(12)
1540 RESTORE
1550 POKE 65523,135
1551 ON ERR GO TO 1810
1560 INPUT "Screen or Printer? "; LINE Z$
1562 IF Z$="S" OR Z$="s" THEN GO TO 1570
1566 IF Y$="R" OR Y$="r" THEN GO SUB 8000
1570 READ A$,B$,C$,D$
1575 LET N=N+1
1580 IF D$( TO 1)="X" THEN GO TO 1570
1590 PRINT A$
1600 PRINT B$
1610 PRINT C$
1620 PRINT N;"      ";D$
1621 PRINT
1625 IF Z$="P" OR Z$="p" THEN POKE 23692,255
1640 IF Z$="S" OR Z$="s" THEN GO TO 1570
1650 LPRINT A$
1660 LPRINT B$

```

```

1665 INPUT "2040 or RX-80 printer? "; LINE Y$
1670 LPRINT C$
1680 LPRINT N;"      ";D$
1690 LPRINT
1700 LPRINT
1710 GO TO 1570
1720 STOP
1810 ON ERR RESET
1830 PRINT #0;" Press any KEY to CONTINUE ": PAUSE 0
1840 GO TO 7000
2010 REM Find name section
2020 POKE 23658,8
2030 ON ERR GO TO 2210
2040 CLS : RESTORE
2050 LET I=1: LET N=1
2060 INPUT "Name or ZIP code? "; LINE Z$
2070 IF Z$( TO 3)=G$(N) THEN GO TO 2100
2072 IF Z$( TO 2)=H$(N) THEN GO TO 2100
2080 LET N=N+1
2090 GO TO 2070
2100 FOR I=I TO N
2110 READ A$,B$,C$,D$
2120 NEXT I
2125 POKE 23692,255
2129 IF INKEY$<>"" THEN GO TO 2129
2130 PRINT A$
2140 PRINT B$
2150 PRINT C$
2160 PRINT N+1,D$
2170 PRINT
2190 GO TO 2080
2210 ON ERR RESET
2220 PRINT #0;"Search completed,  
return to MENU." press ENTER to
2230 PAUSE 0
2240 GO TO 7000
3001 REM Find particular chrctr
3002 FOR i=26710 TO 65000
3010 IF PEEK i=234 THEN GO TO 3100
3020 NEXT i
3100 IF PEEK (i+1)<>228 THEN GO TO 3020
3104 PRINT i;CHR$ 228
3110 GO TO 3020
4001 REM Build Library Section
4010 RESTORE : DIM G$(100,3): DIM H$(100,2)
4020 ON ERR GO TO 4380
4030 FOR i=1 TO 100
4040 READ A$,B$,C$,D$
4050 FOR J=LEN A$ TO 1 STEP -1
4060 IF A$(J)=" " THEN GO TO 4200
4070 NEXT J
4150 FOR K=LEN C$ TO 1 STEP -1
4160 IF C$(K)=" " THEN GO TO 4300
4170 NEXT K
4180 NEXT I
4190 RETURN
4210 LET G$(I)=A$(J+1 TO LEN A$)
4230 GO TO 4080
4310 LET H$(I)=C$(K+1 TO LEN C$)

```

```

4330 GO TO 4180
4380 ON ERR RESET
4390 RETURN
5001 REM NOT ON LIST
5002 DIM D$(12)
5003 RESTORE
5011 READ A$,B$,C$,D$
5021 IF D$(1)= "X" THEN GO TO 5011
5031 PRINT A$
5041 PRINT B$
5051 PRINT C$,D$
5055 PRINT
5061 GO TO 5010
5071 STOP
6001 REM PRINT ENTIRE ADDRESS BOOK SECTION
6010 CLEAR 64715
6020 LET N=1
6030 DIM D$(12)
6040 RESTORE
6050 POKE 65523,135
6060 INPUT "Screen or Printer?";Z$
6062 IF Z$="S" THEN GO TO 1070
6065 INPUT "2040 or RX-80 PRINTER?";Y$
6066 IF Y$="R" THEN GO SUB 8000
6070 READ A$,B$,C$,D$
6075 LET N=N+1
6090 PRINT A$
6100 PRINT B$
6110 PRINT C$
6120 PRINT N; ";D$
6125 IF Z$="P" THEN POKE 23692,255
6140 IF Z$="S" THEN GO TO 1070
6150 LPRINT A$
6160 LPRINT B$
6170 LPRINT C$
6180 LPRINT N; ";D$
6190 LPRINT
6200 LPRINT
6210 GO TO 6070
6220 STOP
7001 REM Start Section
7010 POKE 23658,8: REM CLEAR 64715: REM MENU
7020 PAPER 1: INK 7: BORDER 1: CLS : PRINT "      ADDRESS
      B O O K *****0) Exit"'"1)
Mailing List"'"2) Off Mailing List"'"3) Find name or ZIP"'"4)
      Save and Exit"'"5) Print Address Book"'"6) STOP "
7030 PRINT #0;"Enter selection: (0 - 6)"
7040 LET X$=INKEY$: IF X$="" THEN GO TO 7040
7110 IF X$="0" THEN GO TO 9998
7120 IF X$="1" THEN GO TO 1000
7122 IF X$="2" THEN GO TO 1500
7130 IF X$="3" THEN GO TO 2000
7140 IF X$="4" THEN GO TO 9990
7150 IF X$="5" THEN GO TO 1040
7160 IF X$="6" THEN STOP : GO TO 7000
7210 GO TO 7040
7999 STOP

```

[Continued on page 23]

Frank Orose *313-383-3434*
604 Page/ *Circa 20th Park* *MIL 48146*
Things To Do Away From The Expo

Special Places To Visit In Wisconsin

- The Zoo
- Mitchell Park
- Domes
- Whitnall Park
- Brewery Tours
- Old World Wisconsin
- House On The Rock
- Circus Museum
- Wisconsin Dells
- New Glarus
- Milwaukee Museum
- War Memorial Art Gallery
- Pabst Mansion
- Performing Arts Center (PAC)
- Riverside Theatre
- Iroquois Boat Trip
- EAA Museum
- Cave Of The Mounds
- Milwaukee Lake Front
- Lunch and Dinner Cruises
- Dog Races

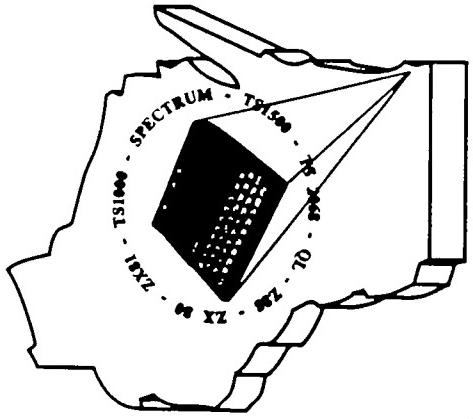
Places To Shop

- West Brook Mall
- Brookfield Square
- Galleria West
- Old Toll Road Village
- Grand Avenue Mall
- Shops At Cedarburg
- Discount Shopping Malls At Kenosha

**SINCLAIR 1990
FAMILY REUNION**

I participated in the
1990

**SINCLAIR EXPOSITION
FAMILY REUNION**



319-391-1687
June 1-3, 1990

Saturday Speakers June 2nd, 1990

9:30am Programming In Forth
★ Gary Ganger
DMA
812 Hedwick Street
New Carlisle, OH 45344-2619
★ ★ ★ ★ ★

10:30am Communications - MODEM
★ ★ ★ ★ ★

Noon Lunch

1:00pm Computer Intelligence
Dr. Lloyd Drexler

Smug
P.O. Box 101
Butler, WI 53007
★ ★ ★ ★ ★

2:30pm Quill - How To Use It
Bill Heberlein

SMUG
5052 N. 91st Street
Milwaukee, WI 53225
★ ★ ★ ★ ★

Exposition Sponsors

SINCLAIR MILWAUKEE USERS GROUP (SMUG)

We were started in 1982 by a group of hard core Sinclair enthusiasts who enjoyed playing around with all the new electronic goodies. Out of the original group 4 remain. They are:

- Neal, "Mr. Prez," Schultz;
- Rudy, "I'm in Germany," Hilsmann;
- Dick, "The digitizing fool," Cultice;
- Gordon, "Mr. Laser," Kraemer.

We grew rapidly reaching over 100 members by 1985. We currently have 21 members plus 7 subscribers to our newsletter, **SMUG BYTES**. Along with the membership we exchange, via the mail, newsletters with 27 other user groups and advertisers. **SMUG BYTES** has published monthly, continuously, since September of 1984 and we look forward to many more issues.

Our current *President*, Neal Schultz, has been in office since the inception of **SMUG**. The only break was 1 year Dr. Drexler banged the gavel. Our current *Editor*, Bill Heberlein, has been on duty since the start of **SMUG BYTES** except 1987 when Dave Franson held the reins.

We are dedicated to the education of the public in general and our members in specific, to promote the Sinclair line of computers and their use.

NOTES

Attending User Group

- (J) **CATS**
Capitol Area Timex Sinclair User Group
P.O. Box 11017, Takoma Park, MD 209
- (K) **CATUG**
Chicago Area Timex User Group
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- (L) **DMA**
Dayton Area T/S Users Group
812 Hedwick Street, New Carlisle, OH 4
- (M) **GCSUG**
Greater Cleveland Sinclair User Group
5860 Calamie Drive, Parma Heights, OH
- (N) **ISTUG**
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- (O) **SMUG**
Sinclair Milwaukee User Group
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May 1990

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FIRST CLASS MAIL

MAY 1990

MECHANICAL DESIGN ANALYSIS CONSULTANTS

MeDAC is an engineering consulting firm that uses various Sinclair Computers in many aspects of its operations.

MeDAC software services are now available for the QL.

SECTPR is an Engineering Program for analyzing the values for non-standard structural shapes that use modified or welded plate configurations.

Compiled from FORTRAN, SECTPR takes the co-ordinate values of the cross-section corners and calculates the AREA, CENTER of GRAVITY, MOMENT of INERTIA, (about the input axis), PRODUCT of INERTIA, PRINCIPLE MOMENTS of INERTIA and ANGLE of the PRINCIPLE MOMENTS.

Prompts and data input are shown on screen. The analysis of input and output may be directed either to the screen or the Printer. Memory required: 128K

On Microcartridge \$30.75

PEARWML is a Statistical program to calculate PEARSON III parameters (mean, variance, standard deviation and coefficient of skewness) from sample data of failure times.

It translates the statistical model into Weibull Parameters (slope and characteristic life).

It adjusts the statistical model to include unfailed members of the population.

It recalculates the Weibull Slope and Characteristic Life for the total population.

For less than 30 sample items, it provides an option for a maximum likelihood adjustment to the Weibull Slope and Characteristic Life.

Prompts and input data appear on-screen and are printed. The output requires a printer. Memory required: 128K

On QL Microcartridge \$60.00

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Send the LISTING and a SAMPLE OUTPUT. We will RECODE it to a BINARY code version on Micro-cartridge that will create similar output.

Per 56 line listing page of FORTRAN

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Dollar for Dollar, feature for feature, it can't be beat.

Model	MC-200 MC-400 MC-600
CPU	386 80386 16 bit CH393 80386
Speed (MHz)	7.68 7.68 7.68
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RAM Standard	128K 256K 768K
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Screen diag	10" 10" 10"
Type (LCD)	SupTwist Retardation Film
Protocol	DGAA DGAA DGAA
Resolution	640x200 640x400 640x400
Color X Line	85 x 14 85 x 14 85 x 14
No. of Keys	99 99 79
Detach Keybd	no no no
Slots Stand	0 0 0
Prop	2 2 2
Battery type	6VAA Alk/Opt Rech NiCad Pak
Life	75 hr 60 hr 40 hr
Replace	yes yes yes
Ports Serr/Par	1/1 1/1 1/1
Video Port	no no yes
ROM size	256K 256K 256K
Software	In ROM GUI GUI MS-DOS 3.2
Touch Pad	yes yes no
Floppy Stand	no no no
Floppy Ext.	no no no
Hard Disk	no no no
RAM Disk	0K 0K 1 Mb Intern
Maximum	2 Mb 2 Mb 0 Mb
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Catalogue prices effective May 31, 1990, and subject to change without notice.

When you buy on the Grey market, your warranty must be serviced from the UK. When you buy from EMSOFT, the warranty is from Psion, U.S.A.

As this catalogue went to press, the PSION MOBILE computer had not passed the FCC.

PLATYPUS Software

TAX - I - QL / 90
Once again **EMSoft** comes to the rescue with TAX-I-QL. "An excellent program", said the QL Report, and now in its fifth year. TAX-I-QL/90 will do your 1990 Federal tax return, Form 1040, and includes all schedules (except F) and most common forms.

TAX-I-QL/90 is a spreadsheet template for Psion's Abacus (QLSS). It works well on QLSS (ver 2.1) but best on Abacus (ver 2.31/2.35). It needs 256K ram expansion. (\$24.95 disk; \$27.95 microcart)

TAX-I-QL/90 has the current forms. Most Schedules, and common Forms and worksheets interact. Some requiring non-math decision making are on separate files. The tax tables are automatic!

You can file the printout from the computer (except for Form 1040 itself) and you can print to a cutsheet copy of the 1040 Form. Comes with a 20 page manual and orders to EMSoft are automatically registered. If there's a bug, we tell you with an errata notice.

The floppy version has additional files with Forms 4868, 5329 and 8582 with the accompanying passive activity loss Worksheets that won't fit on a single microcartidge and do not integrate with other schedules.

These are available on a separate microcartidge at no charge if a blank, formatted cartridge is supplied with the order or for \$4.00 and a 35 stamped self-addressed envelope thereafter.

TAX-I-QL/90 will be shipped January 15, 1991, or as soon thereafter as last minute IRS changes permit.

(Orders received by November 19, 1990: \$19.95 on disk; \$22.95 on microcart)

TAX-I-QL/89 is available for \$24.95 disk; \$27.95 microcart.

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The North American Librarian is Paul Holmgren, 5321 Wilton Wood Court, Indianapolis, IN 46254 (Phone: (317) 291-6002). He can supply copies of the library disks at the current reproduction charge and answer any questions.

QLUSTER/QL UTILITIES Enhanced Release provides easier implementation of five Super-TOOLKIT keywords [WCOPY, WDELETE, SPPOOL, RENAME, WSTATUS] in addition to the standard QLUTTER utilities [COPY, DELETE, LIST, re-FORMAT, pre-VIEW].

is supported for QRAMming other programs.

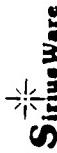
Navigate the Command_Screen by TABbing to a highlighted word:

HELP... EXIT... AUTO_EXEC... UTILITIES CHANGE_DEVICE... CLOCK...
then, pressing the 'SPACE BAR'. Access up to 608 files via eight 'menu' pages from any valid source media on your system. Pre-VIEW all-or-part of any file prior to taking action. Any valid media on your system may be specified as a destination. Convenient clock re-set uses the up & down cursor keys.

Any extension may be specified in WCOPY and WDELETE or perform serial COPYING or DELETION. RENAME files by simply typing the 'new name' followed by a-single-key to indicate the file to be RENAMED. QRAM and TASKMASTER compatible. TURBO-compiled.

BONDS!! Includes FAST_DISK, a sector copying program for exact duplicates of the original medium [QL OR MS-DOS]. (\$12.95/5.25" disk; \$14.95/3.5" disk or microcart)
QLUTTER for QLs lacking SuperTOOLKIT II facilities. (\$9.95/5.25" disk; \$11.95/3.5" disk or microcart)

Prices effective May 31, 1990, and subject to change without notice.



For the ZX-81 to TS-1500 family of Sinclair computers.

WORD* is a 4K RAM word processor. Saves text on cassette. Drives the TS2040 printer with lowercase, too. Also available for QSave and AERCO or CONGA disk. The very best TS1500 word processor available. Perfect for schools. (\$19.95)

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FILE* is a powerful set of utilities combining and enhancing the features of several original SiriusWare programs : read/write cassette data tapes; save, merge, erase variables or BASIC (create a cassette library of subroutines); locate, list (name, type, size) all variables. In 1K RAM. (\$19.95)

A*SORT provides extremely rapid alphabetic sorting capability for string arrays (sorts in place or generates an array of sorted pointers). An elegant 1K, Shell-Tetzner sorting algorithm that can be incorporated in your programs. (\$19.95)

COPY* duplicates any cassette tape in Sinclair-Tinex format. ()

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For a fraction of the cost of a CAD/CAM Program with multi-megabytes of hard disk on a workstation you will be productive from day one. No need to send your engineers to training courses on full pay.

Requires a Sinclair QL computer with 256K memory expansion and dual disk drives. Available only on disk.

Base Price for site license agreement: \$2850.00
Complete with computer/monitor/drives, etc.

Demonstration disk with 'doc' file is available. Cost is applicable to the purchase of the site license.
MJM Software (\$9.95 5.25" DSQD disk)

INVENTORY

From EMSsoft a personal inventory record keeper!
 (\$14.95 disk; \$17.95 microcart)

If your house burned or you were robbed, could you document the value of what was lost for the insurance company? Would your executor know what was yours, where it was and what it might be worth?

INVENTORY is simple. It prompts you for all data you may need to verify costs and values and reminds you of information that you might forget.

It prints out in a bindable format alphabetically by location, by category or by value, then totals costs and current values and projects appreciation/depreciation.

ARCHIVE PROGRAMS

Archive is the PSON database system that came with your QL. It is very powerful with an excellent language. When you start ARCHIVE, it transforms your QL into a machine oriented towards information handling. I have written several programs that should be useful to all QL users. Most require no knowledge of ARCHIVE to run. I chose to write them in ARCHIVE rather than SUPERBASIC because ARCHIVE is better for information handling than SUPERBASIC. Those of you with unexpanded QLs please note that with DBTutor and DBEasy you can still do very useful work with your machine. To run these programs you first boot your copy of ARCHIVE and then start my ARCHIVE program.

DBProgs is a group of 6 useful ARCHIVE programs. Sort of an ARCHIVE toolkit. REFIELD will allow you to easily add, remove, alter, rearrange the fields of any database. SCAN will let you select up to 3 fields to go on a line and scroll all records line by line on the screen for quick inspection of records. A print out can also be made. SPLIT will allow you to split any database into 2 separate parts. JOIN will allow you to join two similar databases together. DR makes it easy to do directories and file copies from within ARCHIVE. PREQ will do frequency breakdown of values for any field. For example, using it on the State field in an address database would tell you how many addresses you had for each state. It comes with a 22 page DOC file that describes the programs plus General ARCHIVE information. Also included is a group of DOC files to use as a tutorial on learning how to program with ARCHIVE. (619.95 disk or \$21.95 cartridge)

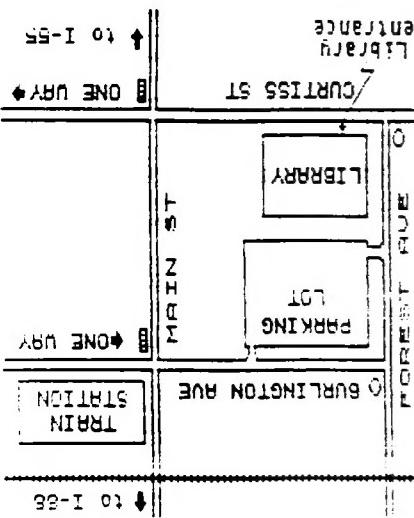
DBTutor is a tutoring program to help you learn any subjects you wish. It is menu driven to allow you to create a database and enter the material you want to learn. There are fields for person subject, key word, reference source, question(s), and answer(s). After you make your database you can then be drilled in many interesting ways so you can learn the material. The material can also be printed out in test form. The menu also allows you to change the screen colors, do file handling, make backups. Now you and your family can use the QL as an innovative learning tool. Comes with a 25 page manual, several sample databases, and the program. Requires no knowledge of ARCHIVE to run. (524.95 disk or \$29.95 on 2 cartridges)

DBAddress is an address database program for the home or small business. It is a friendly, menu driven program that allows you to create your database and easily enter your addresses. There are fields for person or company name, complete address, 2 phones, note, key and 8 user defined fields for your special needs. The menu also allows you to make quick searches, select subgroups, to print address labels, print lists of addresses, to change the screen colors, do file handling, make backups. Comes with a 31 page manual, sample address database, and the program. Requires no knowledge of ARCHIVE to run but allows exiting to ARCHIVE command mode for more extensive ordering and selecting. (524.95 disk or \$29.95 on 2 cartridges)

DBEasy is a complete database front end that allows you to create and maintain your own databases all from menus. It manages all the databases you define with it so you can easily keep track of them. You can make address databases, checkbook record database, income databases. Anything you might put on index cards or in a ledger is well suited to DBEasy. Emphasis is on user friendliness. Then menus are so easy that the majority of commands can be executed with a joystick (the arrow keys and space bar work fine also). It is a very complete system and most QL users will find it will handle all their database needs. Requires no knowledge of ARCHIVE to run. If you don't use a database with your QL you are missing out on some of the most useful features a computer can provide. Try this program and see. You don't have to have an expanded QL to have all the DBEasy features either. Includes the program, sample databases, and doc file. (521.95 disk or \$26.95 on 2 cartridges)


```
8001 REM PRINT REAL LABELS
8005 INPUT "TASMAN OR AERCO? ";I$
8007 IF I$="T" THEN GO TO 8030
8010 RANDOMIZE USR 100: OPEN #3,"LP"
8020 RETURN
8030 FOR i=26715 TO (26715+651): POKE (i+38001),PEEK i: NEXT i
8040 RANDOMIZE USR 64719
8050 PAPER 0: BORDER 0: INK 7: CLS
8060 PRINT FREE ;" FREE "
8070 POKE 23658,24: POKE 23609,30
8080 RETURN
8090 STOP
9001 REM PRINT ADDRESS BOOK
9010 CLEAR 64715
9020 LET N=1
9030 DIM D$(12)
9110 ON ERR RESET
9120 FOR I=1 TO 150
9130 PRINT I,G$(I)
9140 NEXT I
9150 STOP
9991 ON ERR RESET
9992 RANDOMIZE USR 100: SAVE "ADRS.BK" LINE 7E3
9998 RANDOMIZE USR 100: LOAD "L.B1"
```

The reason all the DATA statements were left in this program is because I promised the folks we exchange newsletters with that I would print the program in it's entirety so that they might see our exchange and vender list as this is the program that CATUG uses to mail out it's newsletters. EMSOFT will be added to this list because of the Milwaukee FEST.



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